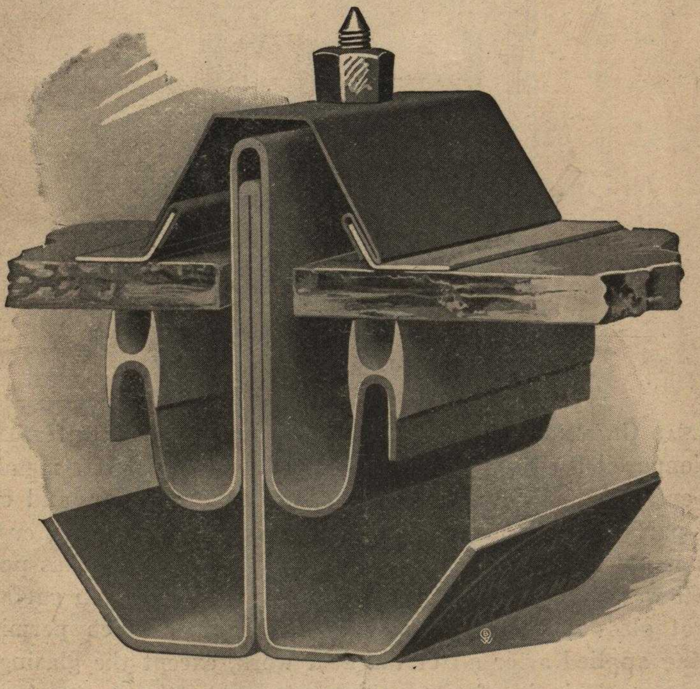
The Nonpareil Puttyless Skylight



Complete bar assembled, including the glass and showing details of construction. Fig. 1. **Pat. Nov. 1, 1910.**

Cannot Leak—Lasts Indefinitely—Simple in Construction—Not Expensive

Approved by the U. S. Government

Every architect, contractor and building owner should investigate the Nonpareil Puttyless Skylight—a decided and practical innovation in skylight construction. It solves all the difficulties of the old-style, unsatisfactory putty affairs. Once erected the Nonpareil Puttyless Skylight takes care of itself—the first cost being the only cost. We briefly outline its exclusive features.

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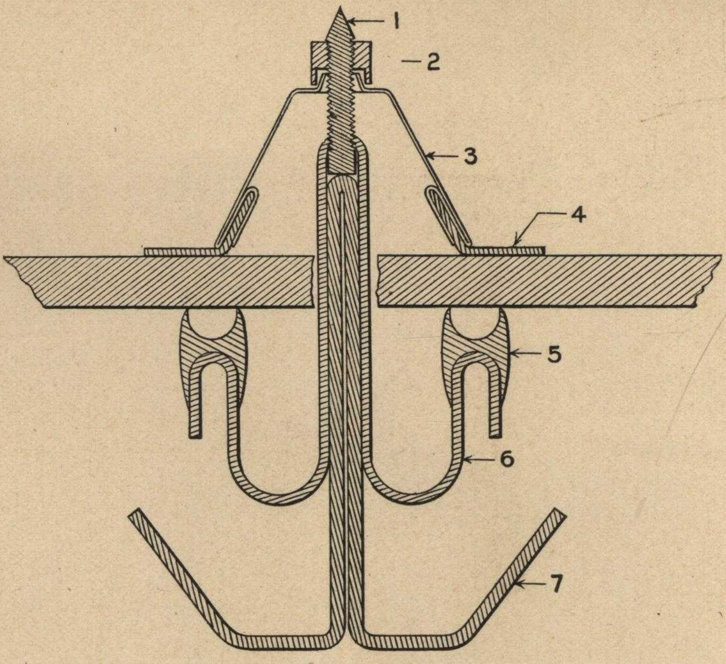


Fig. 2.

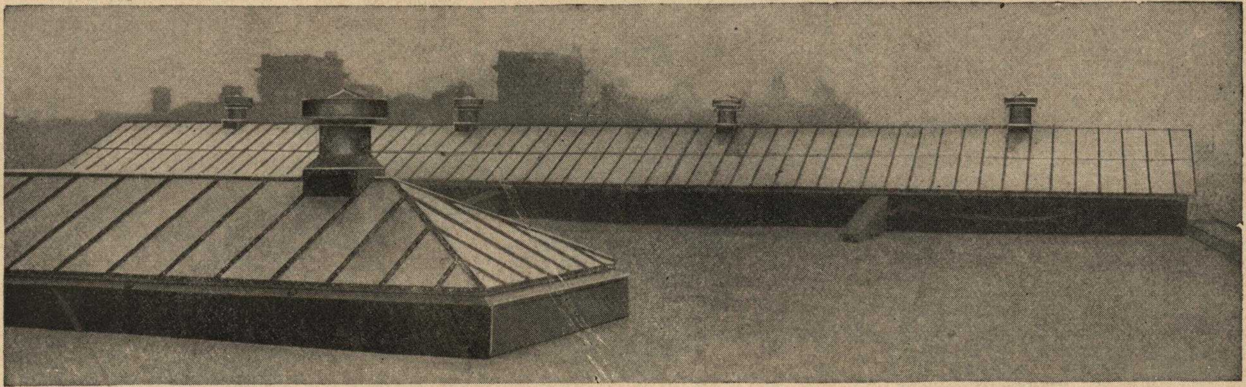
All Metal and Glass—No Putty
Why it is Watertight

Lead Glazing Cushion.—One of the most important features of the Nonpareil Skylight is the fact that no material but metal and glass enters into its construction in any way whatever, and of the metal parts one of the most important is the lead glazing cushion, which is indicated by No. 5 in Figure 2. This cushion has parallel vertical walls that will conform perfectly to the uneven surface of skylight glass and is detachable and reversible, which permits of its being applied after all of the field work, except the glazing, has been done. This is of utmost importance to the contractor who desires to get satisfactory results and a watertight skylight since it prevents injury to the cushion while the rest of the skylight is in process of construction and erection. Being flexible it is capable of being straightened by our special glazing tool and is immediately ready to conform to the irregularities of *new* glass.

Cushions are Reversible—Give Double Service

Should it happen that part of this cushion is torn or cut away, it can be removed and reversed, thus giving double service without additional cost. This cushion sets absolutely tight and permits of no space whatever between the glass and cushion, even when very long lights are used.

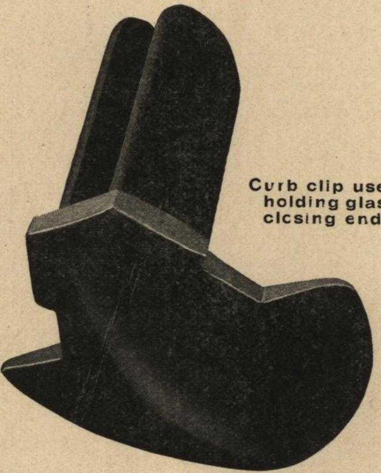
TWO NONPAREIL SKYLIGHTS ON CAPITAL TRACTION COMPANY'S NAVY YARD CAR BARN, WASHINGTON, D. C.



The large light is 22 x 100 feet, of standard bar, and no superstructure supporting it. A third light on this same building does not appear in cut.

Since there are two vertical walls in each cushion and two cushions on each bar, it makes an absolutely water-tight joint, as it is inconceivable that the water could get by both of these walls and the *air* space between them. However, since perfection is the aim of the patentee we have arranged gutters, see No. 7, Fig. 2, to take care of any water that might get through, although we have proven this to be impossible.

To test the perfection of these cushions we have purposely omitted the caps (Nos. 3 and 4, Fig. 2), leaving the skylight exposed during several severe storms and never in a single instance has a leak or an imperfection of any kind developed.



Curb clip used at end of bar holding glass in place and closing end of cap.

Fig. 3.

These Clips at End of each Bar allow for Expansion and Contraction—Other Exclusive Features

These clips are riveted to the bar in such a manner that in addition to preventing the glass from slipping they hold the metal eaves in place in such a way as to allow for expansion and contraction and they also close the ends of the caps, preventing the entrance of water or air under the most trying conditions, such as a driving storm. This is important, as it makes an absolutely tight light, prevents the entrance of cold air which, under certain conditions, would cause condensation outlets to freeze up.

Bar Constructions.—Referring again to Fig. 2, No. 7, we have the principal part of the bar, the lower edges of which are bent out and up to form condensation gutters. The extreme depth and width of these bars give them great strength, but in addition they are reinforced and strengthened by the bent metal, No. 6, Fig. 2, which supports the cushion and glass and forms extra dust gutters. It will be noted that these gutters are on each side of the metal cushion and are of ample size to perform their function perfectly.

Metal Parts Cannot Corrode

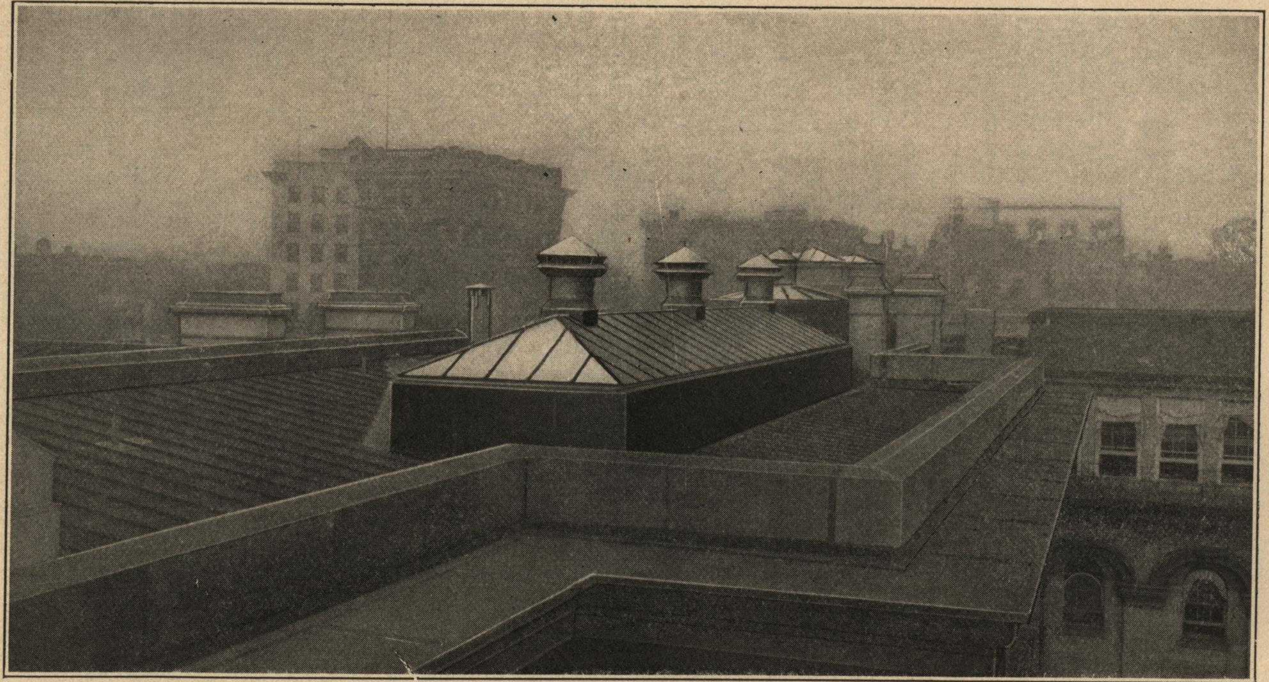
These bars are made of both galvanized and lead coated steel, and when desired can be made of black steel and covered with copper. We do not, however, recommend the latter, as steel under such conditions would rapidly corrode. Being cold pressed, the quality of steel in these bars is far superior to the hot rolled T bar generally used by other skylight manufacturers. When our skylights are made of *lead coated* steel and copper trimmed they remain 100% strong indefinitely.

Brass T Bolts.—No. 1, Fig. 2. These bolts pass through the upper portion of No. 6, Fig. 2, and have long square heads which prevent them from turning, and yet they are so arranged as to allow sufficient movement for expansion and contraction. They are made from cold drawn brass rod to insure tensile strength and do not break as do the cast bolts generally used. As all parts of bar and cap are punched and formed in long dies the holes are bound to come where they belong. In addition to this the burr left from the punched hole in the cap is turned upward as shown at the extreme top of part indicated by No. 3, Fig. 2, and this burr projecting up into the cupped nut, No. 2, Fig. 2, is an additional safeguard, making a leak at this point impossible.

Perfect Even in Minor Details

Caps.—No. 3, Fig. 2. These are made both plain and with a lead flange, as shown by No. 4, Fig. 2. When the flanges are used they are grooved water-tight to the sheet metal cap and the lead can be pressed down to conform to the uneven surface of the glass, insuring a perfectly tight and close fit. It is impossible in this construction for the flanges to get out of position as do the loose ones resorted to by most skylight manufacturers.

The Nonpareil Skylight is the result of common sense and the application of scientific principles to the requirements of users of skylights after an exhaustive study of the question. Obviously the purpose of a skylight is to admit light and to keep out rain, snow, ice, water and cold. All of these purposes are fully accomplished by the Nonpareil Puttyless Skylight and its strength is great enough to leave a wide margin over the severest requirements of any skylight.



NONPAREIL SKYLIGHT ON U. S. TREASURY BUILDING, WASHINGTON, D. C.
One of the many Government Buildings where the Nonpareil Puttyless Skylight has been adopted in preference to other styles.
We have since installed another skylight on this building.

Read What Practical Contractors Have to Say About the Nonpareil Puttyless Skylight

Washington, D. C., Sept. 2d, 1910.

J. D. Thompson Co., Washington, D. C.

Gentlemen:—Replying to your letter of recent date, I am pleased to recommend your "Nonpareil" skylight to anyone desiring the best material, design and workmanship. I am of the opinion that your skylight as installed for me on the Capital Traction Co.'s Car Barns (see page 3 of this pamphlet) will require the least attention and repairs and give the longest service of any that I know of.

Yours truly,
JAMES L. PARSONS.

Washinton, D. C., Jan. 23d, 1911.

J. D. Thompson Co., 2609 Pennsylvania Ave., N. W., Washington, D. C.

Gentlemen:—The "Nonpareil" puttyless skylight erected by you for me on the fourth floor of the Treasury Building, this city (see page 6 of this pamphlet) has given entire satisfaction and I consider it one of the best patterns that I have ever seen in the line of sklights. I prefer to use it to any other light that I know of, especially for large construction.

Yours truly,
W. E. MOONEY.

Washington, D. C., Jan. 26th, 1911.

Messrs. J. D. Thompson Co., 2611 Pennsylvania Ave., N. W., Washington, D. C.

Gentlemen:—With reference to the "Nonpareil" skylight installed on the Power House for the Government Hospital for the Insane, Washington, D. C., under recent contract with me, beg to state that the Government officials are very much pleased with the skylight in quality and workmanship, stating that it is one of the best they have ever seen, and I would have no hesitancy at all in recommending said "Nonpareil" skylight to anyone in need of a first-class skylight.

Yours very truly,
GEO. E. WYNE.

A Few U. S. Government Installations

U. S. Hospital for Insane (Boiler House), Washington, D. C.
U. S. Post Office, St. Louis, Mo.
U. S. Navy Yard Building No. 41, Washington, D. C.
U. S. Post Office, Hot Springs, Ark.
U. S. Post Office, Washington, D. C.
U. S. Post Office, New Orleans, La.

The fact that this skylight is being so extensively used by the Government and is approved on still other Government buildings, is convincing evidence of its excellence.

Those who are familiar with the high standard demanded by the Government, and the rigid inspection and tests which they apply, can appreciate the great significance of the Government's endorsement.

Skylights are also installed on the greater part of the New York Central Terminal, New York City; the depot at Watertown, N. Y., and the substation at Ossining, N. Y., for the N. Y. C. & H. R. R. Co., and Westinghouse Machine Co., East Pittsburgh, Pa., and Canadian Pacific Train Sheds, Montreal, Can., besides several large private conservatories and other places in process of construction.

Easily Erected—Every Part Fits

Manner of Construction.—We do not rest with a perfect design, but insist on perfect construction of all the parts entering into this skylight, and for that reason all parts, with the exception of the glass, are made in our own shops or by our authorized agents, and in order to get satisfactory results we do not permit the use of parts that are not so made.

Nonpareil Puttyless Skylights Are Not Costly; in Fact, Far Cheaper in the End

The cost of this skylight, even though it possesses so many exclusive merits, is not excessive and contractors will find it to their advantage to correspond with us with reference to price, delivery, etc. When comparison is made as to the cost of Nonpareil Puttyless Skylight and the cost and upkeep expense of the old-style skylight, there will be no question as to the immense superiority of our skylight. The faults and failures of most skylights are too well known to need repeating. The Nonpareil is without a fault.

Only Reliable Agencies Can Sell and Erect Nonpareil Puttyless Skylight—We Guarantee It

Agencies.—Following the perfection of the skylight to the point of erection and use, we have selected our agents with a view to their skill, care and ability, and have imposed conditions on our agents that will remove the possibility of any motive for slighting the work, and make the interests of the contractor identical with those of the manufacturer and the user. The results are that where our skylight is installed perfect satisfaction is insured, not only seven to nine cases out of ten, but in a hundred cases out of a hundred. We guarantee the skylight when properly installed to be free from leaks and to fully meet the requirements of a skylight.

The Agencies for a few sections are still open and we will be glad to correspond with responsible concerns with reference to same.

End your skylight worries for all time by writing to day to

Nonpareil Skylight Co.

J. D. THOMPSON, President

2609 Pennsylvania Ave., N. W. Washington, D. C.

HERBERT GOLTERMAN,
ST. LOUIS REPRESENTATIVE,
722 WAINWRIGHT BLDG.,
PHONE MAIN 35

NONPAREIL SKYLIGHT COMPANY

MANUFACTURERS OF

The Nonpareil Puttyless Skylight

MAIN OFFICE

2609-2611 Pennsylvania Avenue, N. W.

WASHINGTON, D. C.

PRODUCT. The NONPAREIL PUTTYLESS SKYLIGHT (Patented November 1, 1910; other Patents pending).

ADVANTAGES. (1) It can not leak; lasts indefinitely; simple in construction, and not expensive. Approved by the United States Government.

HERBERT GOLTERMAN,
ST. LOUIS REPRESENTATIVE,
722 WAINWRIGHT BLDG,
PHONE MAIN 35

The Nonpareil Puttyless Skylight is a decided and practical innovation in skylight construction. It solves all the difficulties of the old style, unsatisfactory putty affairs. Once erected it takes care of itself—the first cost being the only cost.

(2) LEAD GLAZING CUSHION—No material but metal and glass enter into its construction, and of the metal parts one of the most important is the lead glazing cushion, indicated in FIG. 1, detail 5. This cushion has parallel vertical walls that will conform perfectly to the uneven surface of skylight glass and is detachable and reversible, which permits of its being applied after all of the field work except the glazing has been done. This is important to the contractor who desires to get satisfactory results and a water-tight skylight, since it prevents injury to the cushion while the rest of the skylight is in process of construction. Being flexible it is capable of being straightened by our special glazing tool and is immediately ready to conform to the irregularities of *new* glass.

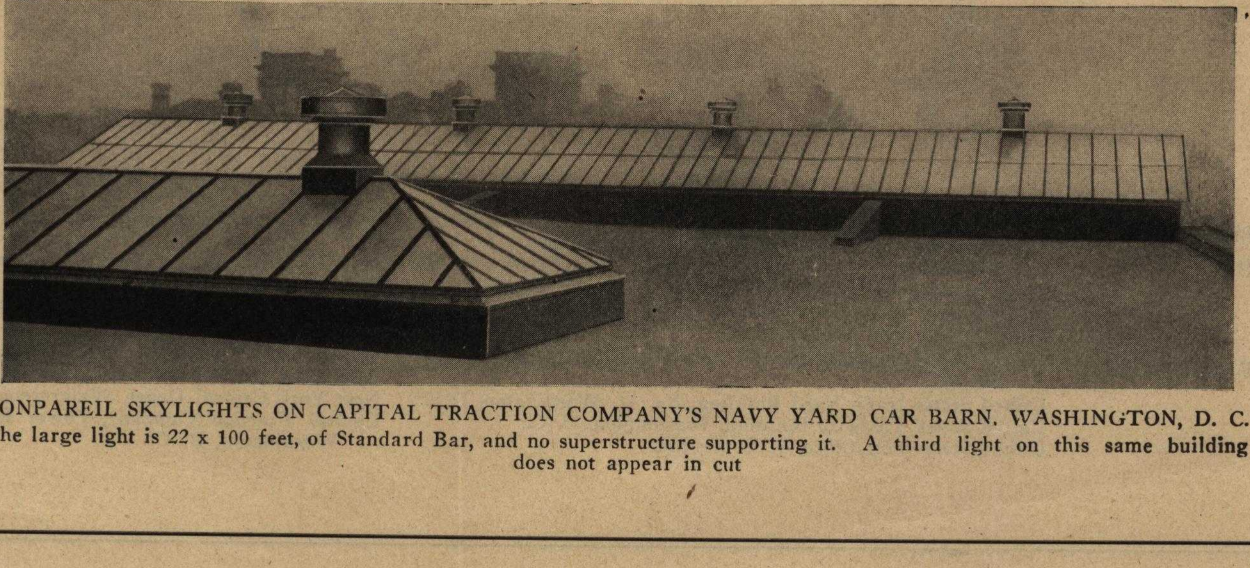
(3) Should it happen that part of this cushion is torn or cut away, it can be removed and reversed, thus giving double service without additional cost. This cushion sets absolutely tight and permits of no space between the glass and cushion, even when very long lights are used.

Since there are two vertical walls in each cushion and two cushions on each bar it makes an absolutely water-tight joint, and it is inconceivable that the water could get by both of these walls and the *air* space between them. However, we have arranged gutters (see Fig. 1, detail 7) to take care of any water that might get through.

To test the perfection of these cushions we have purposely omitted the caps (Fig. 1, details 3 and 4), leaving the skylight exposed during several severe storms, and never in a single instance has a leak or an imperfection of any kind developed.

(4) BAR CONSTRUCTIONS—Fig. 1, detail 7, shows the principal part of the bar, the lower edges of which are bent out and up to form condensation gutters. The extreme depth and width of these bars give them great strength, but in addition they are reinforced and strengthened by the bent metal, detail 6, which supports the cushion and glass and forms extra gutters to prevent leakage. These gutters are on each side of the metal cushion and are of ample size to perform their function.

(5) These bars are made of both galvanized and lead-coated steel, and when desired can be made of black steel and covered with copper. We do not, however, recommend the latter, as steel under such conditions would rapidly corrode. Being cold drawn and cold



NONPAREIL SKYLIGHTS ON CAPITAL TRACTION COMPANY'S NAVY YARD CAR BARN, WASHINGTON, D. C.
The large light is 22 x 100 feet, of Standard Bar, and no superstructure supporting it. A third light on this same building does not appear in cut

rolled, the quality of steel in these bars is far superior to the hot-rolled T bar. When our skylights are made of *lead coated* steel and copper trimmed they remain 100 per cent strong indefinitely.

NONPAREIL CAPS.

Fig. 1, detail 3—These are made both plain and with a lead flange, as shown in detail 4. When the flanges are used they are grooved water-tight to the sheet metal cap and the lead can be pressed down to conform to the uneven surface of the glass, insuring a perfectly tight and close fit. It is impossible for the flanges to get out of position, as do the loose ones.

COST.

The cost of this skylight is not excessive, and contractors will find it to their advantage to correspond with us with reference to price, delivery, etc.

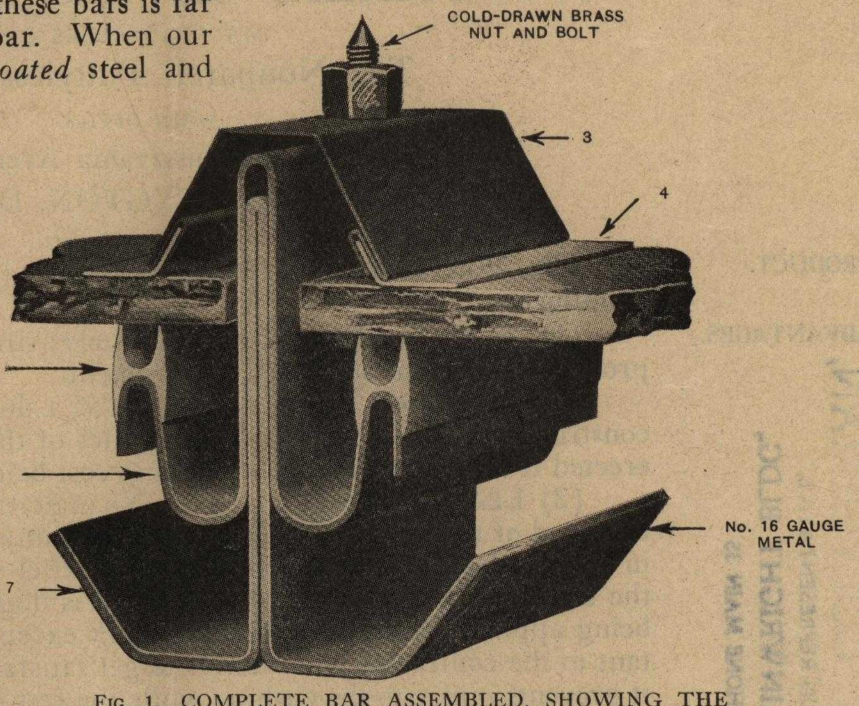
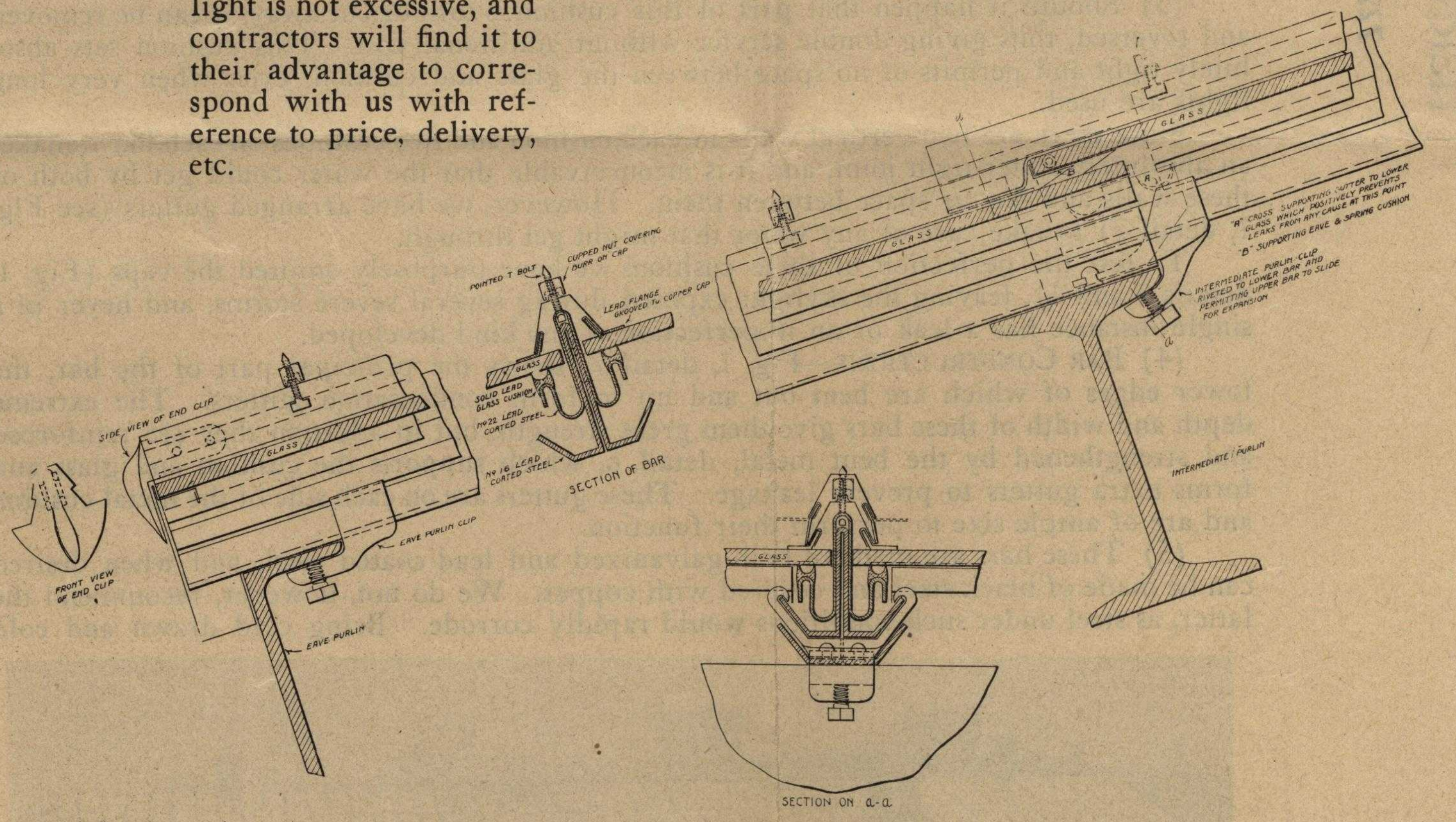


FIG. 1. COMPLETE BAR ASSEMBLED, SHOWING THE GLASS AND DETAILS OF CONSTRUCTION
Patented November 1, 1910. Other patents pending



POINTED T BOLT
CUPPED NUT COVERING BURR ON CAP
LEAD FLANGE GROOVED TO COPPER CAP
GLASS
SOLID LEAD GLASS CUSHION
No 22 LEAD COATED STEEL
No 16 LEAD COATED STEEL
SECTION OF BAR
SIDE VIEW OF END CLIP
GLASS
FRONT VIEW OF END CLIP
EAVE PURLIN CLIP
EAVE PURLIN
GLASS
GLASS
a
a
"A" CROSS SUPPORTING GUTTER TO LOWER GLASS WHICH POSITIVELY PREVENTS LEAKS FROM ANY CAUSE AT THIS POINT
"B" SUPPORTING EAVE & SPRING CUSHION
INTERMEDIATE PURLIN CLIP RIVETED TO LOWER BAR AND PERMITTING UPPER BAR TO SLIDE FOR EXPANSION
INTERMEDIATE PURLIN
GLASS
SECTION ON a-a

SECTION DETAILS

SPECIFICATION.

The skylight must be of a type that can be made water-tight without the use of putty, and shall not contain any material other than metal and glass in its construction.

The bearings for the glass, however, must be of such metal as will positively conform to the irregular surface of the glass, making the contact between the glass and bar perfect at all points. It shall have condensation gutters of ample size, and the ends of the caps must be closed with stormproof hoods; all parts constructed to allow for expansion and contraction. Caps to have lead flanges.

REFERENCES.

United States Hospital for the Insane (Boiler House), Washington, D. C.
United States Navy Yard Building, No. 41, Washington, D. C.
United States Treasury Building, Washington, D. C.
United States Post Office, St. Louis, Mo.
United States Post Office, Hot Springs, Ark.
New York Central Terminal, New York, N. Y.
New York Central Depot, Watertown, N. Y.
Capital Traction Company, Power House and Car Barns, Washington, D. C.

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